



Technical Data 96-580

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5JF47 Tan (Low Cost) Varnished Glass Cloth Class 180C For 180°C Applications

Application for 5JF47

Bedford Materials 5JF47 is a straight weave .007 inch thick continuous filament glass fabric coated to specified thickness with a flexible insulating varnish. Meets requirements of MIL-I-17205, grade O.

Advantages

Excellent for miscellaneous electrical insulation applications where flexibility and good thermal aging properties are desired.

An economical flexible insulation for taping, layer, wrapper, and phase applications.

Specifications (Typical Values)

Color.....	←-----Tan-----→	
Finished Thickness (inches).....	0.010	0.015
Thickness, Glass Fabric Base (inches).....	0.007	0.007
Weight, Approximate (lbs./sq. yd.).....	0.75	1.00
Tensile Strength, Warp (lbs./in. of width) WARP	220	220
	FILL	170
	MD	500
	CMD	400
Gurley Stiffness (MG)	500	500
Dielectric Strength (V/M) C-96/23/0.....	1,200	1,200
(V/M) C-96/23/96.....	500	500
(V/M)(Bent) C-168/23/50.....	1,000	1,000
(V/M)(Bent) E-168/130.....	700	700
(V/M)(Bent) E-168/180.....	400	N/A
Power Factor (60 cycle) C-96/23/0.....	0.05	0.05
	C-96/23/96.....	0.20
Dielectric Constant (60 cycle) C-96/23/0.....	5.0	5.0
	C-96/23/96.....	8.0
Toluol Resistance (immersion).....	No Effect After 3 Minutes	

Ordering Information

Supplied in 36 yard rolls approximately 36 inches wide on 1 ½ inch ID cores and in master rolls approximately 350-400 yards long. Also supplied in tape slit to width as specified. Other thicknesses available on negotiation.

Bedford Materials has no control over the final applications of the product by others, therefore, the information contained herein is intended as a general guide to product use and should not be considered as a warranty.